

**Abstract**

A process for producing scratch-resistant coatings comprises  
5 applying at least one UV-curable coating composition comprising  
as its photochemically crosslinkable constituent

- at least one aliphatic urethane (meth)acrylate prepolymer PU  
having at least two double bonds per molecule, or  
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- a mixture of at least one urethane (meth)acrylate prepolymer  
PU and at least one reactive diluent,

15 to the target substrate and curing the resulting wet coating by  
exposure to ultraviolet radiation under an inert gas atmosphere.

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